

IN THE CLAIMS

The status of each claim of the application is provided below

Claims 1-30: Cancelled.

31. (Allowed) A kit for refolding denatured protein, comprising (a) a cyclic saccharide cycloamylose having a degree of polymerization of 25 to 150 and (b) a polyoxyethylenic detergent or a sucrose fatty acid ester detergent.

32. (Allowed) The kit of Claim 31, wherein the polyoxyethylenic detergent is selected from the group consisting of polyoxyethylenesorbitan ester, polyoxyethylenedodecyl ether, polyoxyethyleneheptamethylhexyl ether, polyoxyethyleneisooctylphenyl ether, polyoxyethylenenonylphenyl ether, polyoxyethylene fatty acid ester and sucrose fatty acid ester.

33. (Allowed) The kit of Claim 31, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

34. (Allowed) The kit of Claim 31, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

35. (Allowed) A kit for refolding denatured protein, comprising (a) a cyclic saccharide cycloamylose having a polymerization degree of from 25 to 150 and (b) an ionic detergent.

Claim 36: Cancelled.

37. (Allowed) The kit of Claim 35, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

38. (Allowed) The kit of Claim 35, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

39. (Currently Amended) A method of refolding a denatured protein, comprising:
contacting a polyoxyethylenic detergent or a sucrose fatty acid ester detergent with a denatured protein to form ~~from~~ a protein/detergent complex, followed by contacting the protein/detergent complex with a cyclic saccharide cycloamylose having a degree of polymerization of 25 to 150, to produce a folded protein.

40. (Allowed) The method of Claim 39, wherein the polyoxyethylenic detergent is selected from the group consisting of polyoxyethylenesorbitan ester, polyoxyethylenedodecyl ether, polyoxyethyleneheptamethylhexyl ether, polyoxyethyleneisooctylphenyl ether, polyoxyethylenenonylphenyl ether, and polyoxyethylene fatty acid ester and sucrose fatty acid ester.

41. (Allowed) The method of Claim 39, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

42. (Allowed) The method of Claim 39, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

43. (Allowed) The method of Claim 39, wherein the folded protein comprises an α -helical structure.

44. (Allowed) The method of Claim 39, wherein the folded protein comprises an β -sheet structure.

45. (Allowed) The method of Claim 39, wherein the refolded protein comprises an intramolecular S-S bond.

46. (Currently Amended) A method of refolding a denatured protein, comprising:
contacting an ionic detergent with a denatured protein to form ~~from~~ a protein-detergent complex, followed by
contacting the protein/detergent complex with a cyclic saccharide cycloamylose having a degree of polymerization of 25 to 150, to produce a folded protein.

Claim 47: Cancelled.

48. (Allowed) The method of Claim 46, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.

49. (Allowed) The method of Claim 46, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

50. (Allowed) The method of Claim 46, wherein the folded protein comprises an α -helical structure.

51. (Allowed) The method of Claim 46, wherein the folded protein comprises an β -sheet structure.

52. (Allowed) The method of Claim 46, wherein the refolded protein comprises an intramolecular S-S bond.

53. (Allowed) The kit of Claim 35, wherein the ionic detergent is selected from the group consisting of cetyltrimethylammonium bromide, sodium dodecyl sulfate, sodium deoxycholate, 3-[(3-colamidopropyl)dimethylamino]-1-propane sulfonic acid, hexadecyltrimethylammonium bromide and myristylsulfobetaine.

54. (Allowed) The method of Claim 46, wherein the ionic detergent is selected from the group consisting of cetyltrimethylammonium bromide, sodium dodecyl sulfate, sodium deoxycholate, 3-[(3-colamidopropyl)dimethylamino]-1-propane sulfonic acid, hexadecyltrimethylammonium bromide and myristylsulfobetaine.